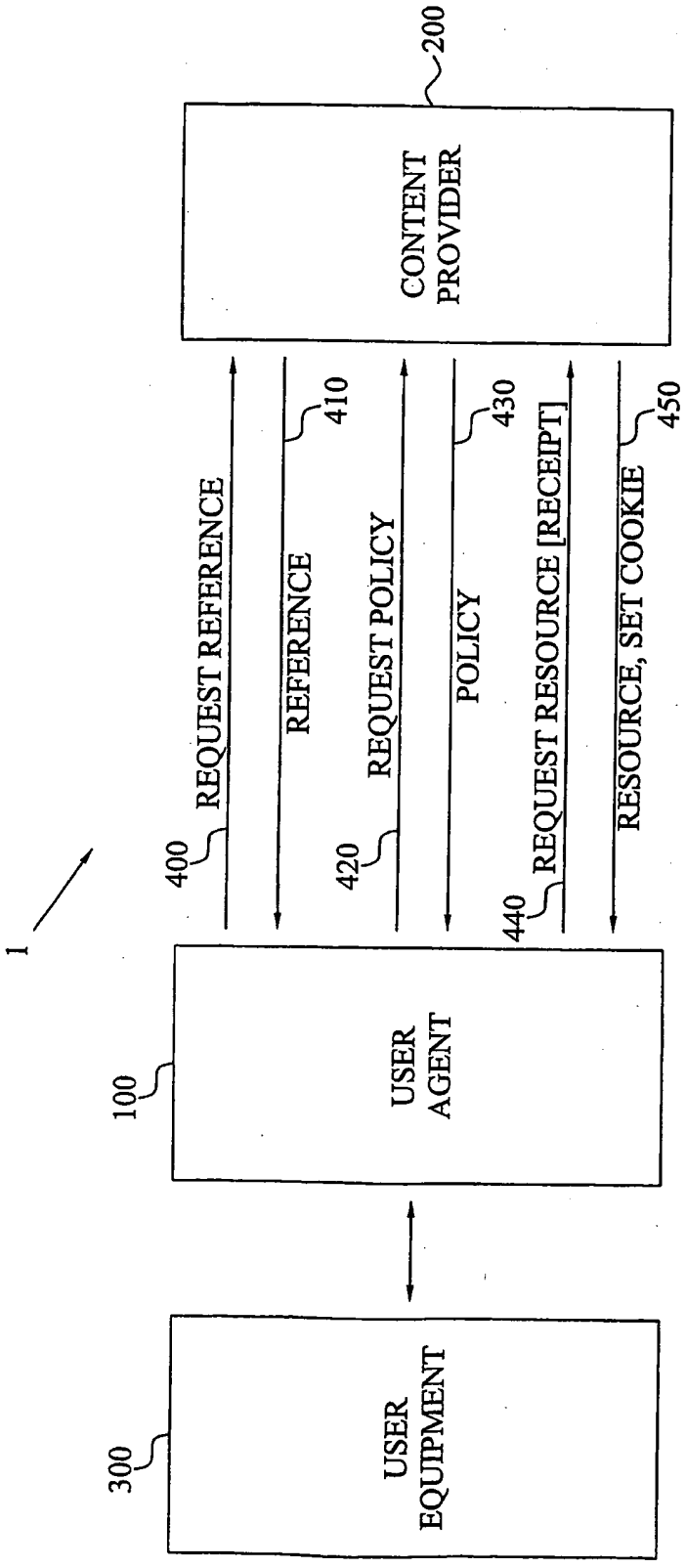
1
100
USER AGENT
300
USER EQUIPMENT
200
CONTENT PROVIDER
400
REQUEST REFERENCE
410
REFERENCE
420
REQUEST POLICY
430
POLICY
440
REQUEST RESOURCE [RECEIPT]
450
RESOURCE, SET COOKIE

Fig. 1

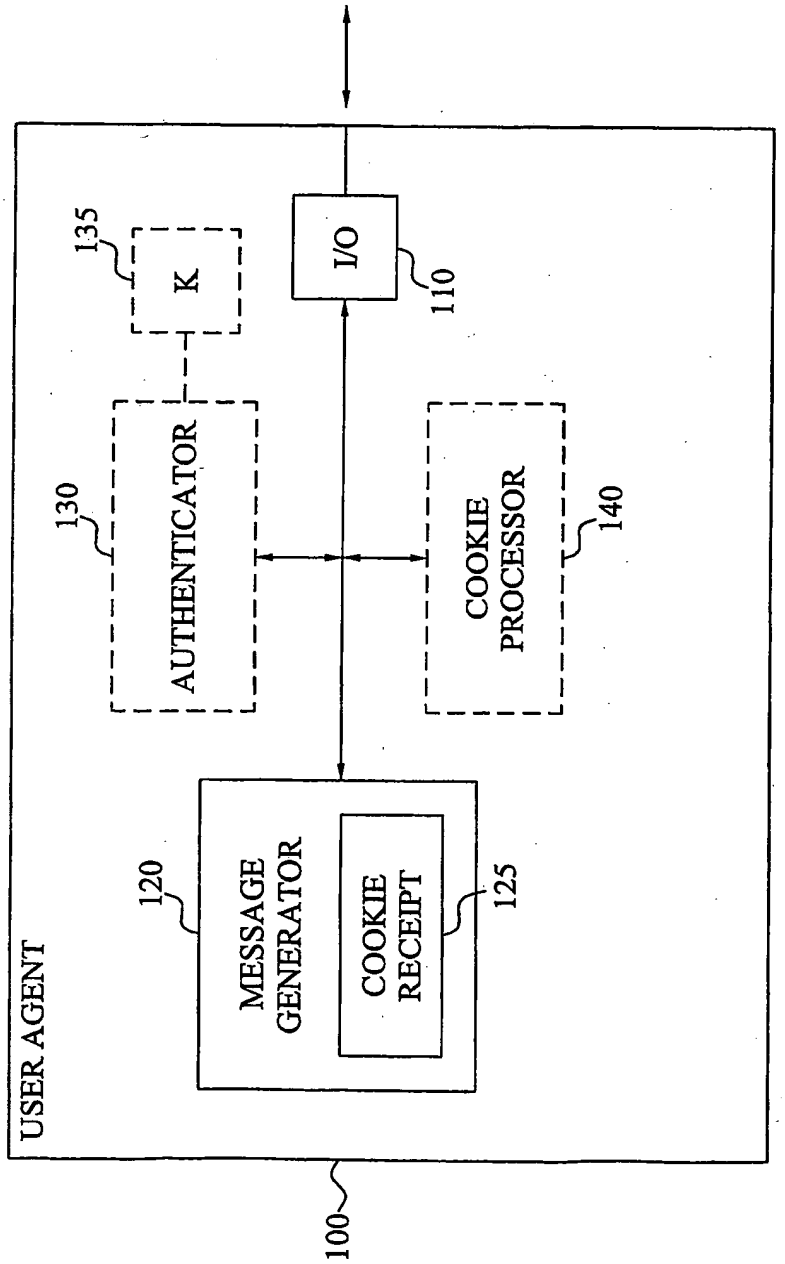
USER AGENT
MESSAGE GENERATOR
COOKIE RECEIPT
AUTHENTICATOR
K
I/O
COOKIE PROCESSOR
100
110
120
125
130
135
140

Fig. 2

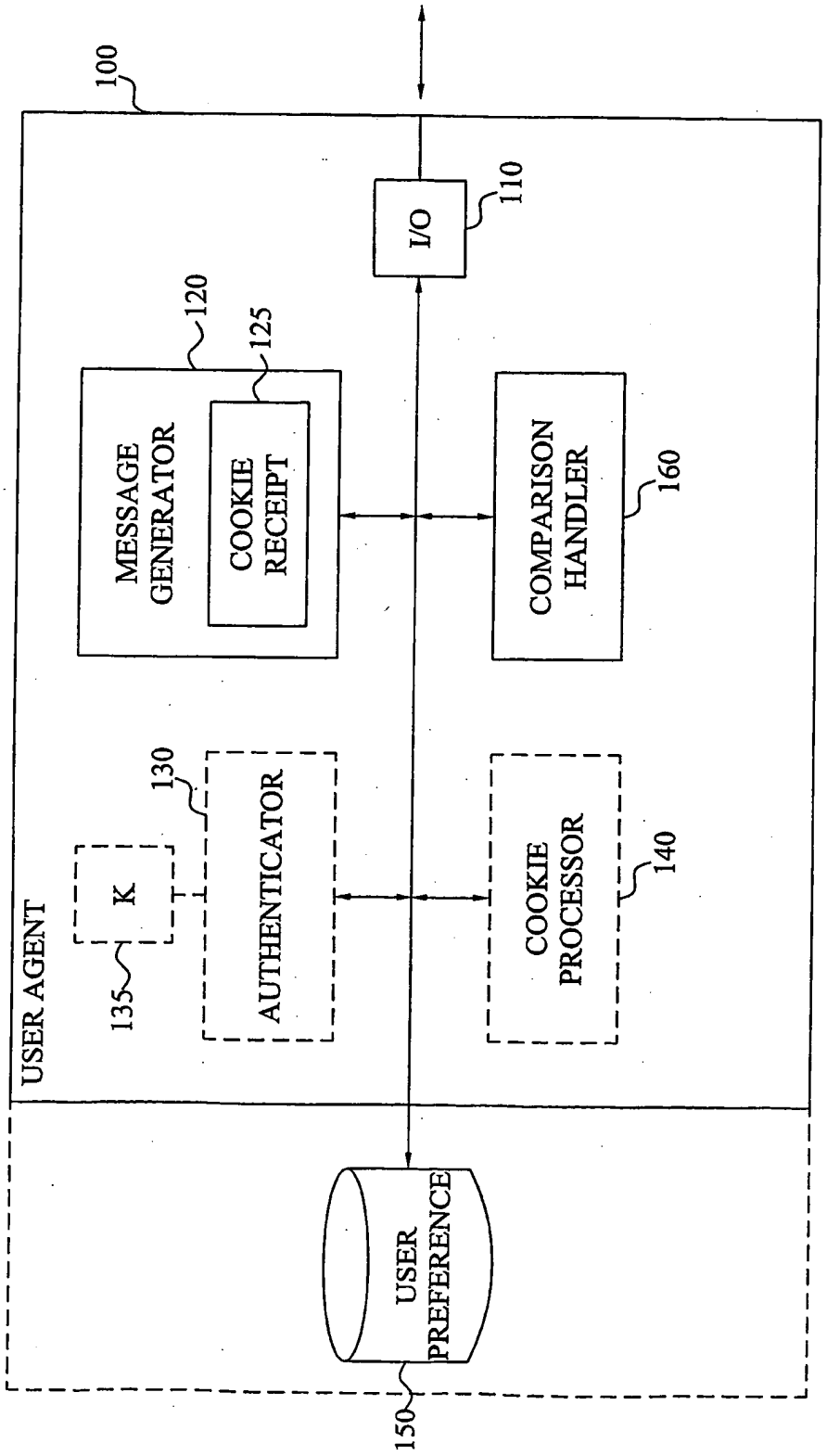
100
I/O
110
120
125
MESSAGE GENERATOR
COOKIE RECEIPT
COMPARISON HANDLER
160
130
AUTHENTICATOR
K
135
COOKIE PROCESSOR
140
USER AGENT
USER PREFERENCE
150

Fig. 3

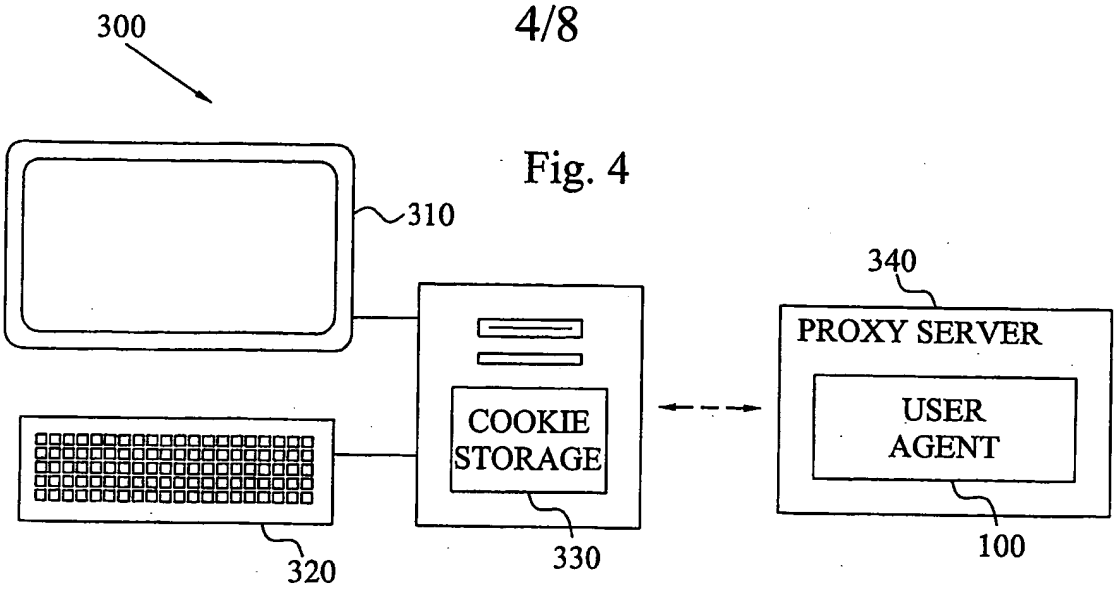
300
310
340
PROXY SERVER
USER AGENT
COOKIE STORAGE
320
330
100

Fig. 4

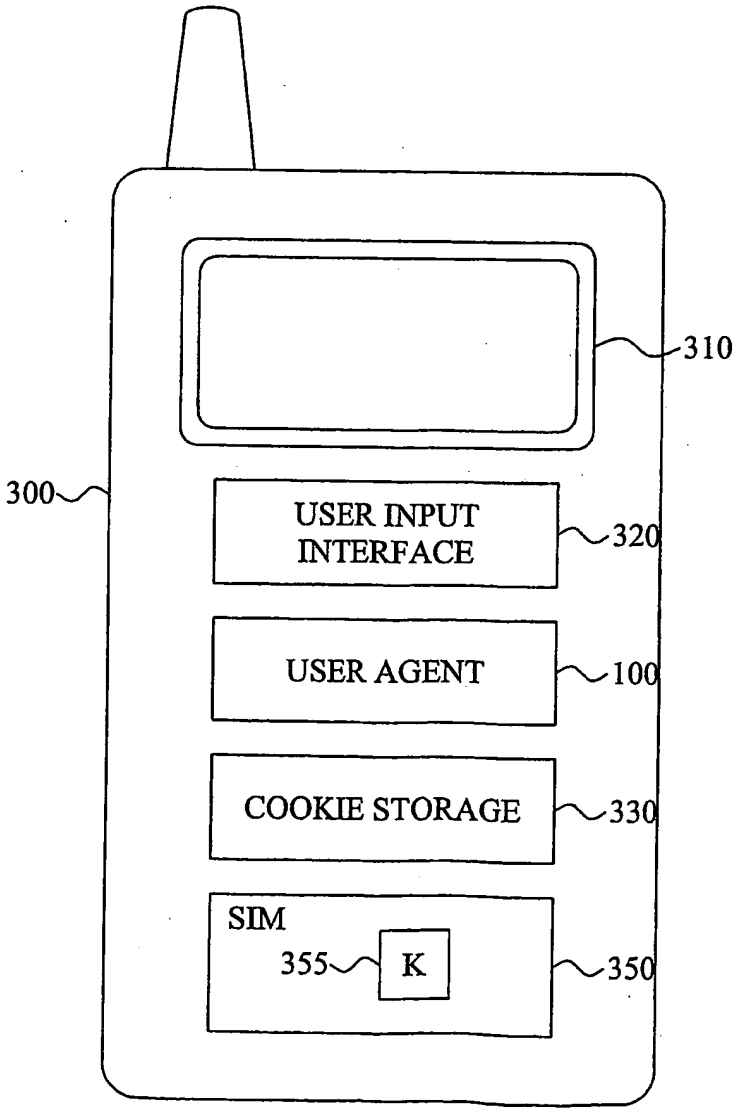
310
300
USER INPUT INTERFACE
320
USER AGENT
100
COOKIE STORAGE
330
SIM
355
K
350

Fig. 5

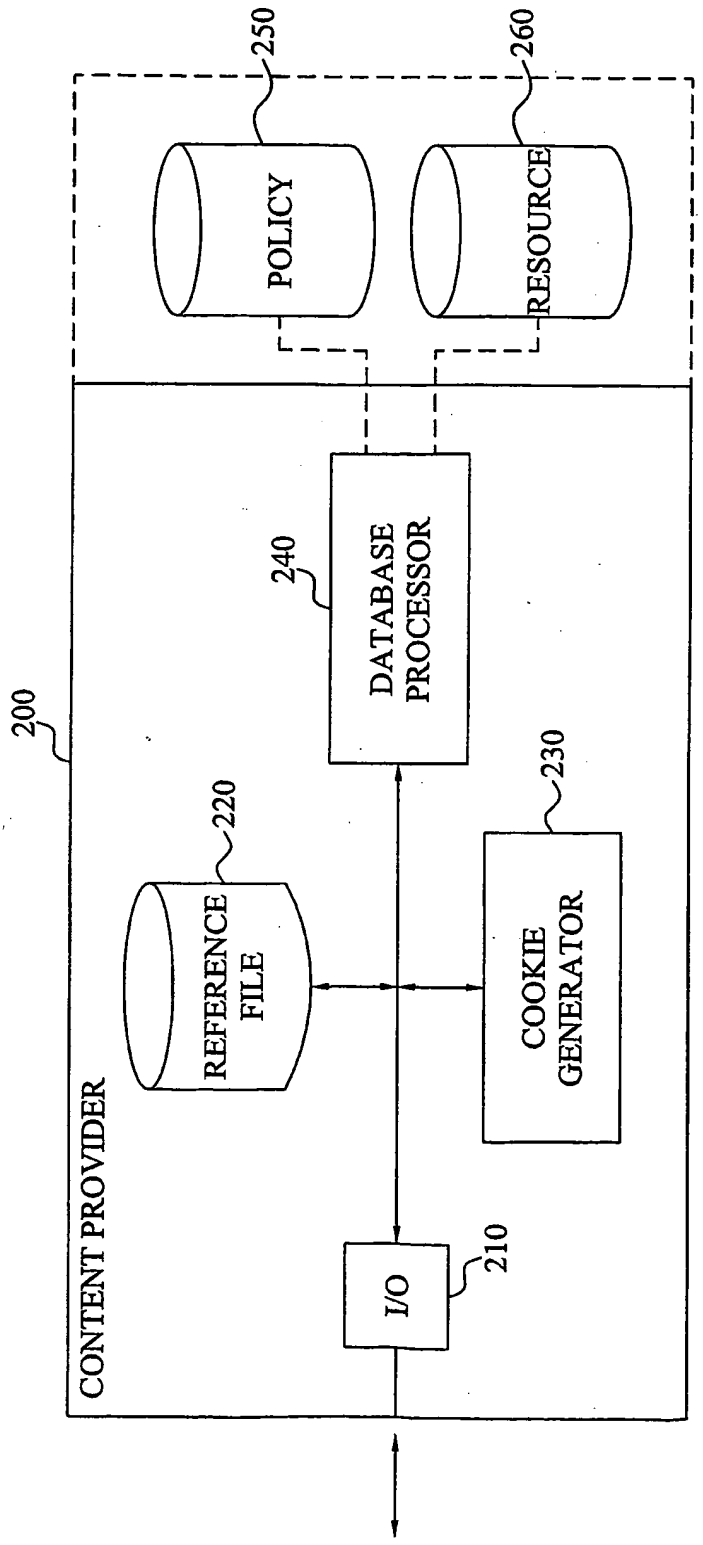
250
260
POLICY
RESOURCE
240
DATABASE PROCESSOR
200
220
230
REFERENCE FILE
COOKIE GENERATOR
CONTENT PROVIDER
I/O
210

Fig. 6

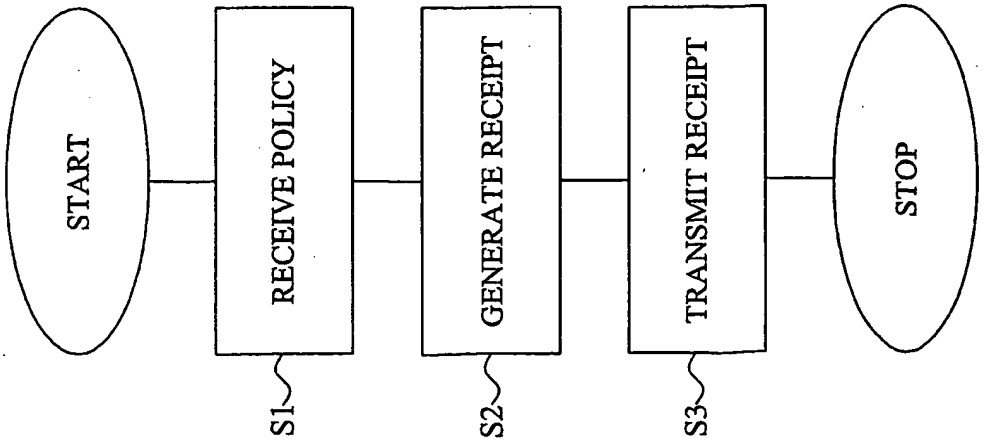

Fig. 7

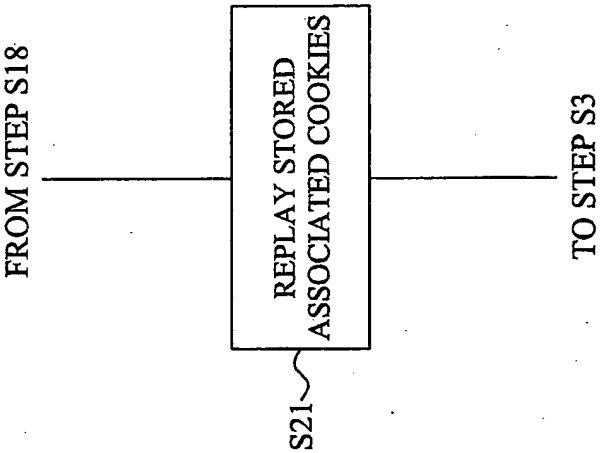

Fig. 9

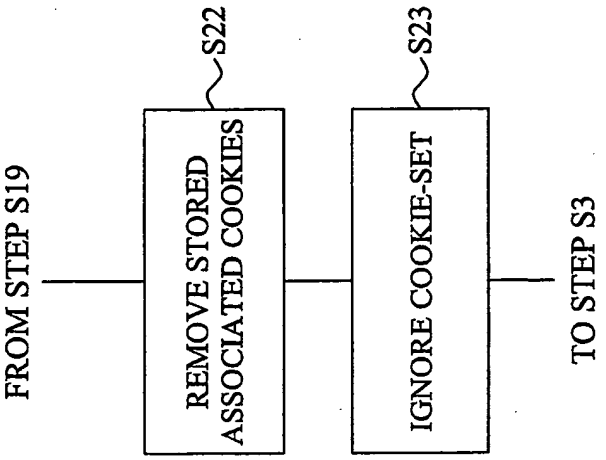

Fig. 10

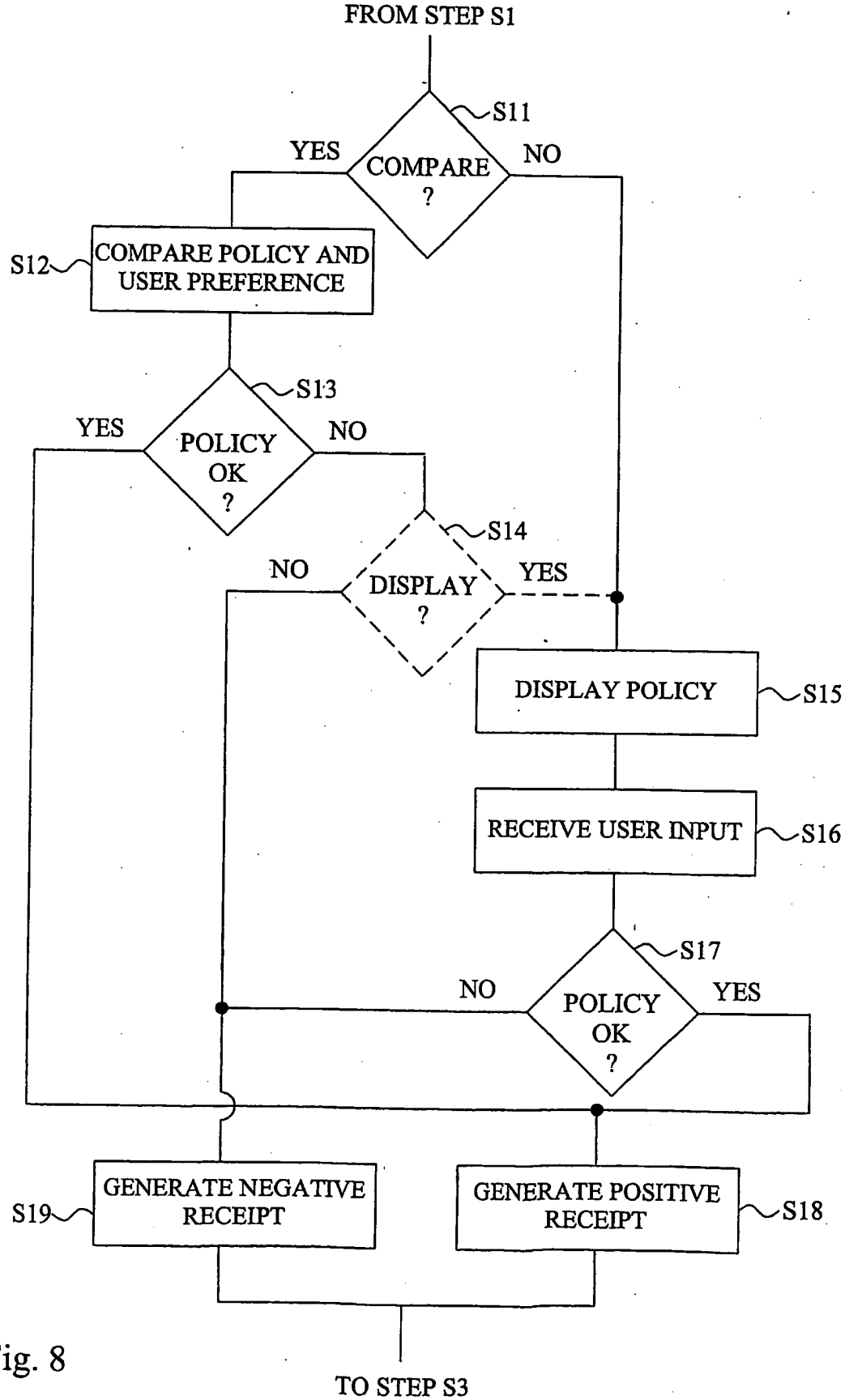
FROM STEP S1
S11
COMPARE ?
YES
NO
S12
COMPARE POLICY AND USER PREFERENCE
S13
POLICY OK ?
YES
NO
S14
DISPLAY ?
NO
YES
DISPLAY POLICY
S15
RECEIVE USER INPUT
S16
S17
POLICY OK ?
NO
YES
S19
GENERATE NEGATIVE RECEIPT
GENERATE POSITIVE RECEIPT
S18
TO STEP S3

Fig. 8

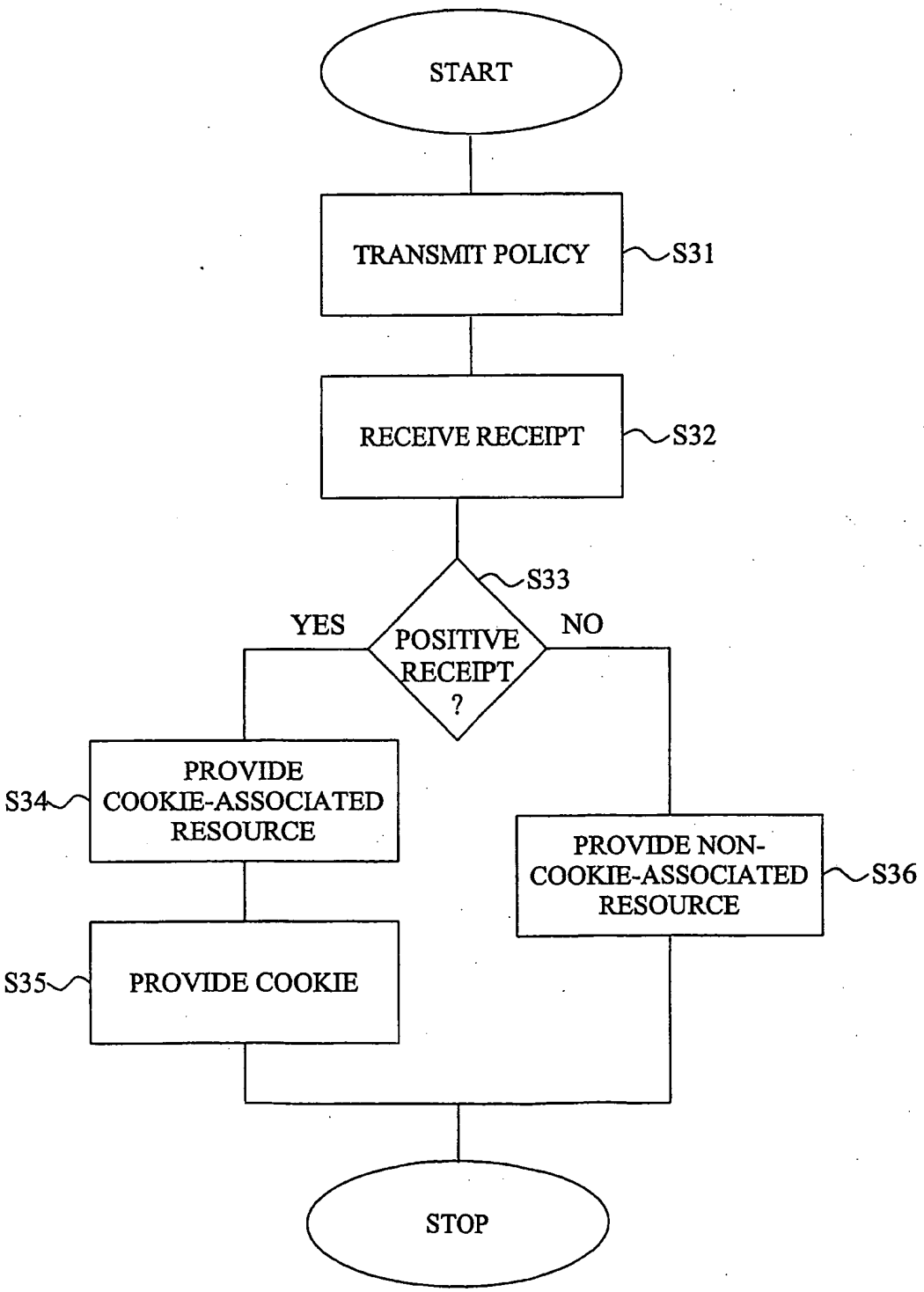
START
TRANSMIT POLICY
S31
RECEIVE RECEIPT
S32
S33
YES
POSITIVE RECEIPT ?
NO
PROVIDE COOKIE-ASSOCIATED RESOURCE
S34
PROVIDE COOKIE
S35
PROVIDE NON-COOKIE-ASSOCIATED RESOURCE
S36
STOP

Fig. 11